

Working Document presented to the
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Spanish metier for Iberian Waters.

By

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1 Legislation

The registered fleet for National Waters fish in VIIIc (Cantabrian Sea), IXa North (Miiño-Finisterre, and IXa South (Gulf of Cadiz). For the law and fleet management porpoises, the Spanish Government use two variables to stratification the fleet: area and gear. There are two Management areas:

- VIIIc and IXa North (Caladero Nacional del Cantábrico y Noroeste)
- IXa South. (Caladero Nacional del Golfo de Cádiz).

The regulation for both areas is different (mesh size, target species, etc). This spatial stratification is agree with Assessment Working Groups (pelagic and demersals) always considered the two areas separately. For this reason, we think it is adequate include the ICES subdivision in the Code to avoid mistakes in the stock assessment process.

In other hand, the gear stratification is (between brackets the metier DCR definition) (mesh size can be seen in table 1):

- 1 Bottom Trawl
 - 1.1 Bottom Otter Trawl (OTB): For both areas
 - 1.2 Pair Trawl (PTB): Only for "Cantabrico y Noroeste" (VIIIc and IXa North)
- 2 Purse Seiners (PS): For both areas
- 3 Surface Longline (LLD): A global law for both areas
- 4 Longline (LLS): Only for "Cantabrico y Noroeste" (VIIIc and IXa North)
- 5 Gillnet targeting Hake (GNS): Only for "Cantabrico y Noroeste" (VIIIc and IXa North)
- 6 Gillnet targeting anglerfish (GNS): Only for "Cantabrico y Noroeste" (VIIIc and IXa North)
- 7 Small Gears (Artes Menores): For both areas. These gears are smaller than previous (longline and gillnet). Fleet registered to use small gears, can be use two gears simultaneously or/and many gears successively. The most of this fleet is not required to declare logbook. Te gears inside this category are:
 - 7.1 Small Gillnet (GNS)
 - 7.2 Trammel net (GTR)
 - 7.3 Small Long Line (LLS)
 - 7.4 Hand Lines (LHM)
 - 7.5 Traps (FPO)
 - 7.6 Trolling lines (LTL)

2 Spanish DCR metier according Spanish management marine resources.

- In the IBERMIX Project (Castro et al, 2007) the Spanish metier in the Iberian Waters were identified. The gear, area and catch profile was used to identify the metier. In the table 1 show the results to adapt the IBERMIX metier to DCR metier,

3. Reference

- Castro, J., Abad, E., Artetxe, I., Cardador, F., Duarte, R., García, D., Hernández, C., Marín, M., Murta, A., Punzón, A., Quincoces, I., Santurtún, M., Silva, C. and Silva, L., 2007. Identification and segmentation of Mixed-Species Fisheries operating in the Atlantic Iberian Peninsula Waters. IBERMIX Project. European Commission. Directorate- General for Fisheries and maritime Affairs (Contract Ref.: FISH/2004/03-33).
- Jiménez, M. P., 2002. Aplicación de análisis multivariantes para la obtención y estandarización de esfuerzos pesqueros en pesquerías multiespecíficas. Las pesquerías demersales del Golfo de Cádiz. Tesis Doctoral, Universidad de Cádiz.
- Jiménez, M.P., Sobrino, I., Ramos, F., 2004. Objective methods for defining mixed-species trawl fisheries in Spanish waters of the Gulf of Cádiz. *Fisheries Research*, 67, 195-206.

ANNEX V - Working Document on Spanish metier for Iberian waters.

Gear (DCR Definition)	Spanish law for National Waters					DCR Metier Definition
	Gear (Spanish Law Defintion)	Legislation	Area (ICES Div.)	Mesh Size	Target Species (Legislation)	
Purse Seine (PS)	Purse Seine (Cerco)	Orden APA 676/2004	Cantabrico y NO (VIIIc & IXa North)	>14mm	Small Pelagic Fish	PS_SPF_VIIIc IXaN_14_0_0
		Orden APA 679/2004	G. Cádiz (IXa South)	>14mm	Small Pelagic Fish	PS_SPF_IXaS_14_0_0
Otter trawl (OTB)	Bottom Otter Trawl (Baka)	Real Decreto 1441/1999	Cantabrico y NO (VIIIc & IXa North)	>70mm	Demersal species	OTB_DEF_VIIIc IXaN_>=70_0_0
				>55mm	>90% pelagic fish	OTB_MPD_VIIIc IXaN_>=55_0_0
		Orden ARM/2515/2009	G. Cádiz (IXa South)	>40mm (From sep 2009 55mm)	ALL (Demersal Fish, Crustaceans and Molluscs)	OTB_DEM_IXaS_>=40_0_0
Pair Trawl (PTB)	Pait Trawl (Pareja)	Orden APA/16/2002	Cantabrico y NO (VIIIc & IXa North)	>55mm	>90% pelagic fish	PTB_FIF_VIIIc IXaN_>55_0_0
Gillnet (GNS)	Gillnet for Monk (Rasco)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)	>280 mm	Monkfish	GNS_DEF_VIIIc IXaN_280_0
	Gillnet for Hake (Volanta)			>90 mm	Hake	GNS_DEF_VIIIc IXaN_80-90_0_0
	Small Gears_Small Gillnet (Betas, betillas, etc)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)	>80 mm	Hake or Sole	GNS_DEF_VIIIc IXaN_60-80_0
				>60 mm	Except Hake or Sole	GNS_DEF_VIIIc IXaN_60-80_0
		Real Decreto 1428/1997	G. Cádiz (IXa South)	40mm-80mm	Minimum mesh size depend of Target Species (6 ranges)	GNS_DEF_IXaS_40-80_0_0
				>80 mm	Hake	GNS_DEF_IXaS_>80_0_0
Trammelnet (GTR)	Small Gears_Tammel net (Trasmallos)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)	>400mm-90mm	Demersal Fish	GTR_DEF_VIIIc IXaN_>400-90_0_0
		Real Decreto 1428/1997	G. Cádiz (IXa South)	>40mm	Minimum mesh size depend of Target Species (6 ranges)	GTR_DEF_IXaS_>40_0_0
Long Line (LLS)	Long Line (Palangre)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)		Demersal Fish	LLS_DEF_VIIIc IXaN_0_0
	Small Gears_ Long Line (Palangrillos, etc)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)		Demersal Fish	LLS_DEF_IXaS_0_0
		Real Decreto 1428/1997	G. Cádiz (IXa South)		Deep Water Species	LLS_DWS_IXaS_0_0
Hand Line (LHM)	Small Gears_Hand line (Línea de Mano)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)		Pelagic Fishes	LHM_SPF_VIIIc IXaN_0_0
		Orden ARM 521/2009 (annual)	G. Cádiz (IXa South)		Deep Water Species	LHM_DWS_IXaS_0_0
Traps (FPO)	Small Gears_Traps (Nasas)	Real Decreto 410/2001	Cantabrico y NO (VIIIc & IXa North)		Finfish	FPO_FIF_VIIIc IXaN_0_0
					Crustaceans	FPO_CRU_VIIIc IXaN_0_0
					Molluscs	FPO_MOL_VIIIc IXaN_0_0
		Real Decreto 1428/1997	G. Cádiz (IXa South)		Molluscs	FPO_MOL_VIIIc IXaS_0_0
Mechanised/Suction Dredge (HMD)	Mechanised/Suction Dredge (Dragas)	Real Decreto 1428/1997	G. Cádiz (IXa South)		Molluscs	HMD_MOL_IXa South_0_0

Table 1. National regulation (mesh size) by administrative gear and area and their allocation to each DCR metier